

CLASS SPECIFICATION
County of Fairfax, Virginia

CLASS CODE: 3759

TITLE: IRRIGATION SPECIALIST

GRADE: S-17

DEFINITION:

Under general supervision, provides technical expertise in the operation of the irrigation systems for County golf courses and ball fields; plans, implements and supervises a preventive maintenance program; and performs related work as required.

DISTINGUISHING CHARACTERISTICS OF THE CLASS:

Not applicable.

ILLUSTRATIVE DUTIES:

Plans, implements and supervises a comprehensive preventive maintenance program schedule;
Conducts inspections of and diagnoses problems with irrigation systems;
Performs routine maintenance on, winterizes and restarts irrigation systems;
Troubleshoots electrical, mechanical and computer control problems with pumps, motors, controls, wiring, piping and other components of the systems and makes basic corrections;
Supervises, trains and develops standard operating procedures for seasonal crews in the daily operation and maintenance of the irrigation systems;
Coordinates contracts for major repairs;
Maintains inventory and initiates ordering of repair parts and supplies;
Participates on design and construction teams and may serve as project manager for new construction and renovation of existing systems;
Works with the Turfgrass Specialist and Groundskeeper Specialist to determine proper programming and utilization of irrigation systems;
Utilizes information on soils, hydraulics, weather and capacity of system and its components, to determine scheduling and rates of application;
Utilizes computer software to control irrigation schedules and to generate reports on usage and efficiency.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:

Knowledge of electrical, mechanical and automated irrigation systems and their components;
Knowledge of the principles of basic hydraulics, turfgrass management and factors impacting effective irrigation;
Skill in the routine repair and problem diagnosis of electrical, mechanical and computer-controlled irrigation systems;
Ability to read system blueprints, specifications and plans;
Ability to communicate problems to contractor and grounds crew.

EMPLOYMENT STANDARDS:

Any combination of education, experience, and training equivalent to:
High school graduation or a G.E.D. issued by a state department of education; PLUS

Five years experience in the operation and maintenance of automated underground turf-related irrigation systems; or in the installation and/or design of landscape sprinkler systems.

CERTIFICATES AND LICENSES REQUIRED:

Possession of a valid Motor Vehicle Driver's License.

ESTABLISHED: April 26, 1993